

Amendments to the Specification:

Please replace the paragraph beginning at line 1 on page 2 with the following amended paragraph:

The phase state of the interferograms obtained will be modified temporally so as to be able to eliminate ~~an~~any possibly variable continuous component of the measured signal, which results from the incoherent combination of the output signals, due either to parasitic reflections, or to reflections with path differences greater than the coherence length of the radiation used.

Please replace the paragraph beginning at line 19 on page 8 with the following amended paragraph:

It is then sufficient to inject the beam into the same Wollaston prism, but with a small angle relative to the undeflected beam, which can also be chosen equal to the characteristic angle of the Wollaston prism, in order to obtain four beams separated angularly at the output. For practical reasons, the assembly may be preceded by a half-wave plate the function of which is to prepare the orientation of all the polarizations.